Claims

1. A connection element for attaching planiform or dish-shaped components to supporting structures, preferably for attaching trim parts (2) to a structure (1) of an aircraft, comprising a holder (4) on the component, on which retainer (4) an insertion pin (6) is held so as to be adjustable to a limited extent at least vertically (Z-direction R_z) in relation to the component surface (21) and matches a receiver (5) on the structure, which receiver (5) is made from elastically deformable soft material with a recess (53) for the insertion pin (6), which recess (5) matches the contour of the insertion trunnion in such a way, having positive fit, that said insertion pin establishes a snap connection with the receiver (5), wherein the receiver (5) on the structure comprises a support flange (51), by means of which support flange (51) said receiver rests flat against a holder (3) on the structure, and is adjustably held and attachable in the XY-plane that is arranged perpendicular in relation to the direction of connection (R_z).

2. The connection element of claim 1, wherein the insertion pin is designed such (pin 65) that when it snaps into the attachment position of the receiver (5) it activates mechanical or hydraulic devices (35, 55) that firmly clamp the support flange (51) in the holder (3) on the structure.

3. The connection element of one of claims 1 or 2, wherein the receiver (5) comprises two recesses (53) for the insertion trunnion (6), which recesses (53) are spaced apart from each other in the Z-direction.

4. The connection element of any one of claims 1 to 3, wherein the adjustability of the insertion pin (6) in the Z-direction is achieved by means of a screw thread (41).

5. The connection element of any one of the preceding claims 1 to 4, wherein the screw thread (41) is arranged between the holder (4) on the component and an anchorage part (42) of the insertion pin (6).

6. The connection element of any one of the preceding claims 1 to 5, wherein the insertion pin (6) is held in the anchorage part by means of a ball joint.

7. The connection element of any one of the preceding claims 1 to 6, wherein attachment, of the receiver (5) on the structure, to the support flange (51) takes place by means of a retention plate (32) that is attachable to the holder (3) on the structure.

8. The connection element of any one of the preceding claims 1 to 7, wherein the receiver (5) comprises anchorages (52) preferably on the support flange (51), through which anchorages a U-shaped securing clamp (54) can be inserted into the body (56) of the receiver (5), wherein the spacing (A) of the U-limbs matches the diameter (D) of the base (66) of the insertion pin (6) such that it is not possible to pull the insertion trunnion out while the securing clamp is in place.

9. The connection element of any one of the preceding claims 1 to 8, wherein the soft material of the receiver (5) is an elastomer.